ELSEVIER

Agricultural Water Management 52 (2002) 261–262

Agricultural water management

www.elsevier.com/locate/agwat

Contents of *Agricultural Water Management*, Volume 52

VOLUME 52 ISSUE 1 **12 DECEMBER 2001**

Seasonal furrow irrigation model with genetic algorithms (OPTIMEC)
P. Montesinos, E. Camacho and S. Alvarez (Córdoba, Spain) 1
Furrow infiltration estimation from time to a single advance point
J.D. Valiantzas, S. Aggelides and A. Sassalou (Athens, Greece) 17
Analysis of several discharge rate–spacing–duration combinations in drip irrigation system
A.V. Ould Mohamed El-Hafedh, H. Daghari (Tunis-Mahragène, Tunisia) and
M. Maalej (Hammam Lif, Tunisia) 33
Influence of different water quantities and qualities on lemon trees and soil salt distribution at the Jordan Valley
A.M. Abu-Awwad (Amman, Jordan). 53
Optimal applied water and nitrogen for corn
Sh. Zand-Parsa and A.R. Sepaskhah (Shiraz, Iran) 73

Guide for Authors 87

VOLUME 52 ISSUE 2 **3 JANUARY 2002**

Nitrogen evolution and fate in a Canary Islands (Spain) sprinkler fertigated banana plot
R. Muñoz-Carpena, A. Ritter, A.R. Socorro and N. Pérez (Tenerife, Spain). 93
Extracting relatively-fresh groundwater from aquifers underlain by salty groundwater
M.N. Asghar, S.A. Prathapar and M.S. Shafique (Lahore, Pakistan). 119
A model for regional optimal allocation of irrigation water resources under deficit irrigation and its applications
Z. Shangguan, M. Shao (Shannxi Province, PR China), R. Horton (Ames, IA, USA), T. Lei (Shannxi Province, PR China), L. Qin (Ames, IA, USA) and J. Ma
(Ames, IA, USA and Henon Province, PR China) 139
Economic analysis of water allocation policies regarding Nile River water in Egypt
D. Wichelns (Kingston, RI, USA) 155

VOLUME 52 ISSUE 3 **23 JANUARY 2002**

Determination of spatial water requirements at county and regional levels using crop models and GIS. An example for the State of Parana, Brazil
A.B. Heinemann, G. Hoogenboom (Griffin, GA, USA) and R.T. de Faria
(Paraná, Brazil) 177

PII: S0378-3774(01)00176-7

Impacts of fertigation via sprinkler irrigation on nitrate leaching and corn yield in an acid–sulphate soil in Thailand
M.E. Asadi, R.S. Clemente, A.D. Gupta, R. Loof and G.K. Hansen
(Pathumthani, Thailand) 197
Evaluation of drainage and tillage effect on watertable depth and maize yield in wet inland valleys in southwestern Nigeria
P.I. Ogban (Uyo, Nigeria) and O. Babalola (Ibadan, Nigeria) 215
An economic perspective on the potential gains from improvements in irrigation water management
D. Wichelns (Kingston, RI, USA) 233
Nitrogen loss through subsurface drainage effluent in coastal rice field from India
M. Singh, A.K. Bhattacharya, T.V.R. Nair and A.K. Singh (New Delhi, India) . . . 249

Contents of *Agricultural Water Management*, Volume 52 261